

DaimlerChrysler AG

Abstract

5 In order, in a deflection chamber (1) for eliminating
water in a fresh air supply system of a motor vehicle,
which has, in the mounted state, a high-level inlet
port (2), an outlet port (3) disposed essentially at a
right angle thereto and a drainage bottom (4) situated,
10 in the mounted state, below the inlet port, for the
collection and evacuation of water, to prevent the
bursting of water droplets separated from the air and
the formation of spray mist, the steeply rising
lamellae of the deflection chamber are disposed such
15 that the lamellae (5-9), in the free cross section
between inlet port (2) and drainage bottom (4), are
aligned at an acute angle to the direction of arrival
(A) of the water droplets and fully cover the drainage
bottom (4) in the direction of arrival (A).

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(fig. 1)